

SEMINARS

SEMINAIRES

TUESDAY 14 JULY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"The Fly's-Eye, a Device to Study
 10^{18} eV Interactions"

by J.W. Elbert / The University of Utah,
Salt Lake City

Abstract : The Fly's-Eye is an optical-electronic system designed to detect scintillation and Cherenkov light from 10^{17} - 10^{20} eV cascades in the atmosphere. These cosmic ray air showers are observed at night using 48 1.5 m diameter mirrors. High energy physics goals of the system include measuring the proton-air inelastic cross-section and testing Feynman Scaling at lab. system energies near 10^{18} eV. The system has been operated at Dugway, Utah, U.S.A., for more than 10 months. Very preliminary results on the longitudinal development of air showers will be shown.

*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 16.00 hrs to meet the speaker and for informal discussions. Tea and coffee will be provided.

WEDNESDAY 15 JULY

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

" 't Hooft's condition as a consequence
of analyticity and unitarity"

by S. Coleman / Harvard

Abstract : A derivation of 't Hooft's consistency condition from the principles of "axiomatic S matrix theory".

THURSDAY 16 JULY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"Observation of fractional charge of $1/3$ e
on matter"

by W.M. Fairbank / Stanford Univ.

Abstract : In a superconducting magnetic levitation experiment fractional residual charges of $1/3$ e have been observed on several niobium spheres. Extensive measurements and critical analysis have assured us that the background forces are either negligible or have been measured and taken fully into account. The details of the experiment will be discussed.

*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 16.00 hrs to meet the speaker and for informal discussions. Tea and coffee will be provided.

MONDAY 20 JULY

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(Top floor of Building 30)

"Some Implications for LEP of the
Beam-Beam Interaction"

by R. Talman / CERN-Cornell

EP SEMINAR

at 17.00 hrs - Auditorium

"Hadron-Nucleus Interactions at
High Energies"

by Kersten Braune / MPI, Heidelberg

TUESDAY 21 JULY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Hard Scattering of Hadrons"
(Rapporteur Talk given at the EPS
Conference, Lisbon)

by H.G. Fischer / CERN

TRAINING AND EDUCATION ENSEIGNEMENT

JEUDI 16 JUILLET

ENSEIGNEMENT GENERAL

13h00/13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras

SUMMER STUDENT LECTURES

<u>Date</u>	<u>Time</u>	<u>Title</u>
-------------	-------------	--------------

This week :

15.7 -	8.30	Opening Session
	10.00	W. Blair - "Presenting CERN"
	11.15	H. Hilke - "Electronic detectors and nuclear instrumentation" (1)